

Supplementary Materials

Novel Quercetin Derivative of 3,7-Dioleoylquercetin Shows Less Toxicity and Highly Potent Tyrosinase Inhibition Activity

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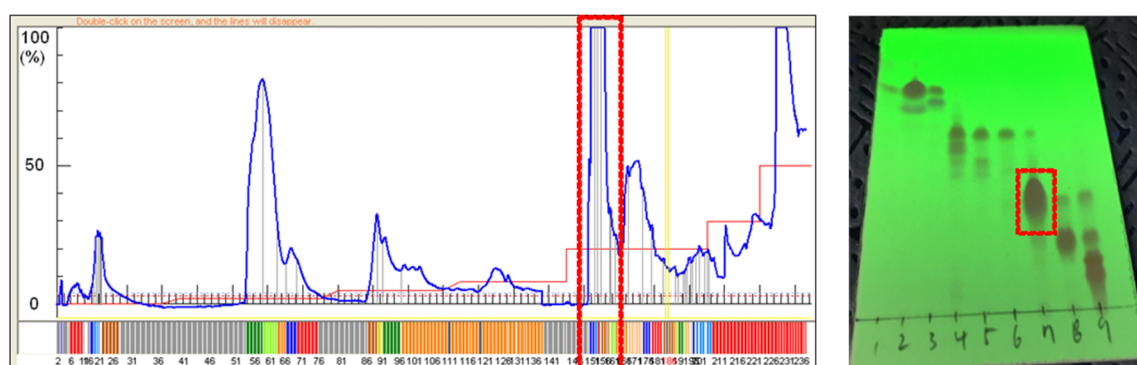
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a)



b)

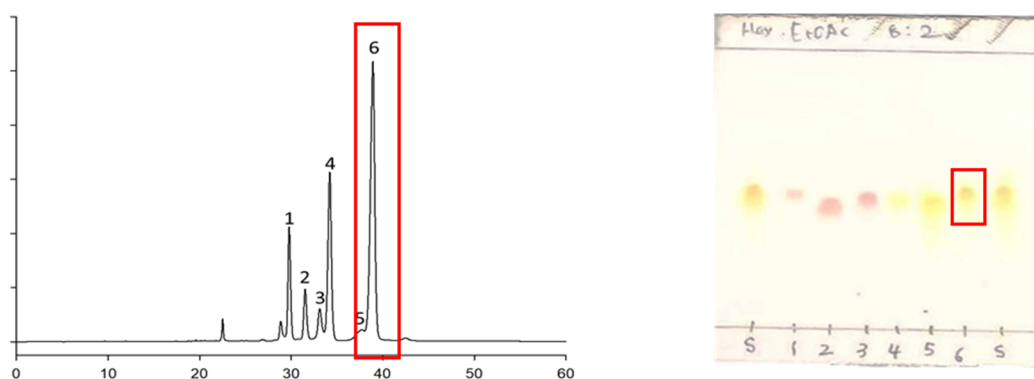
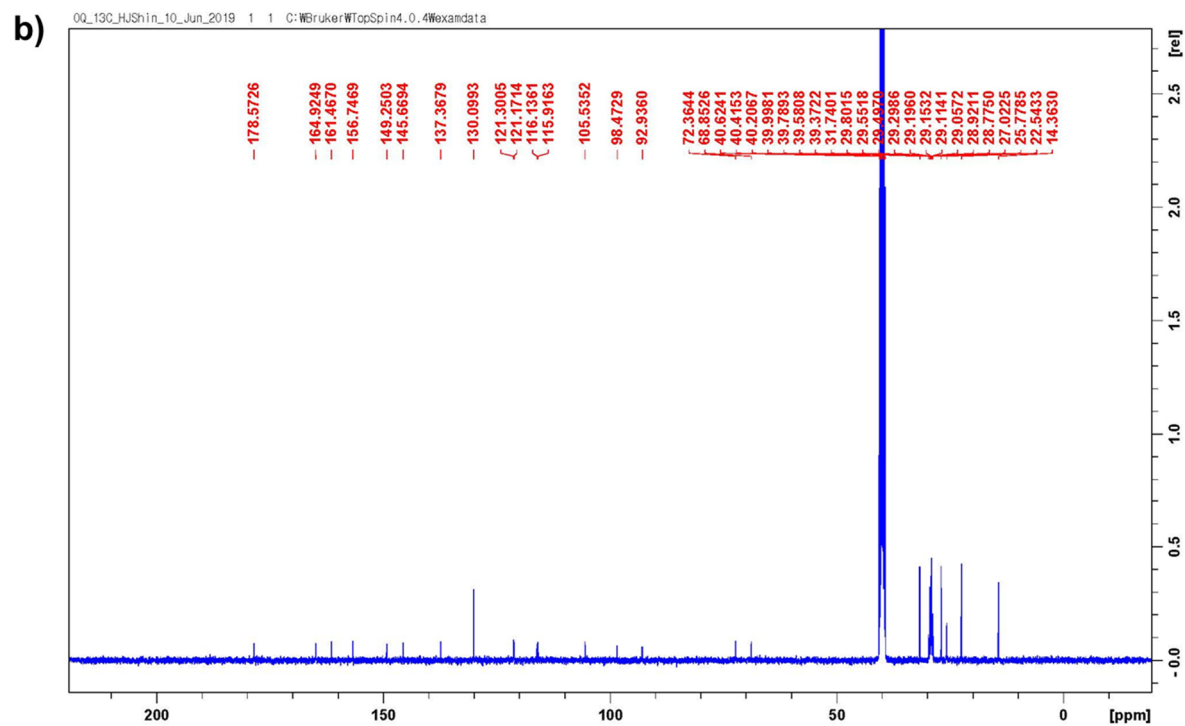
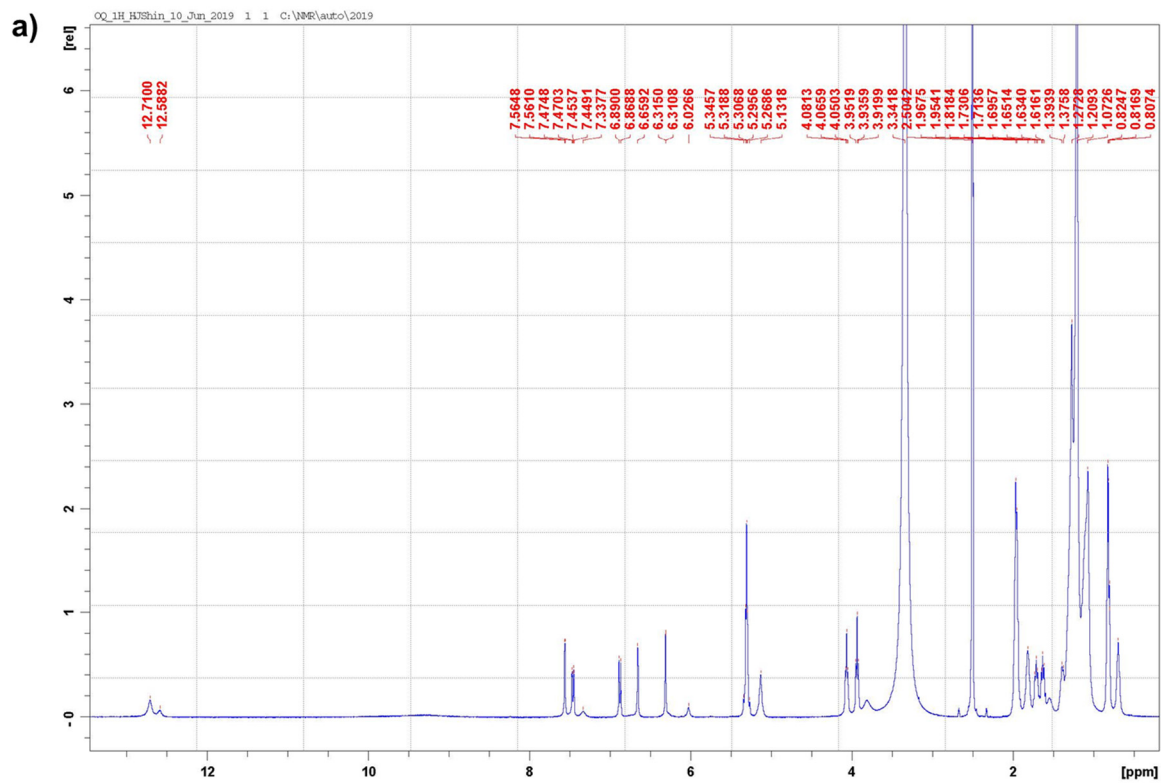
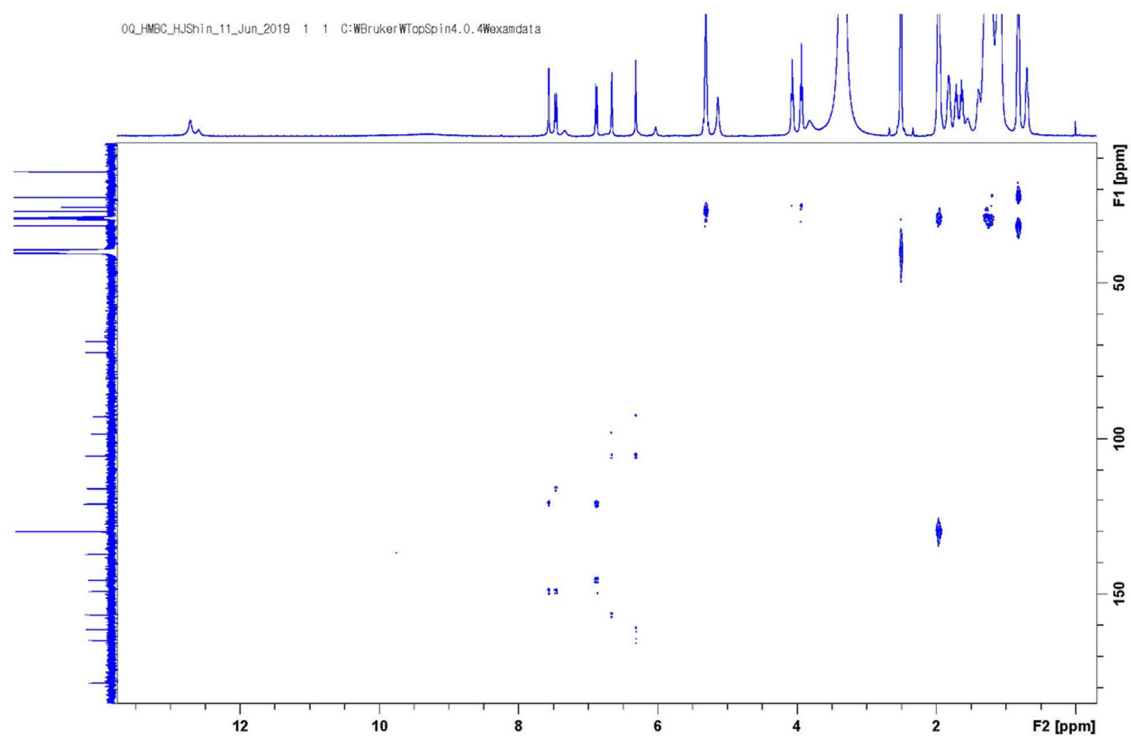


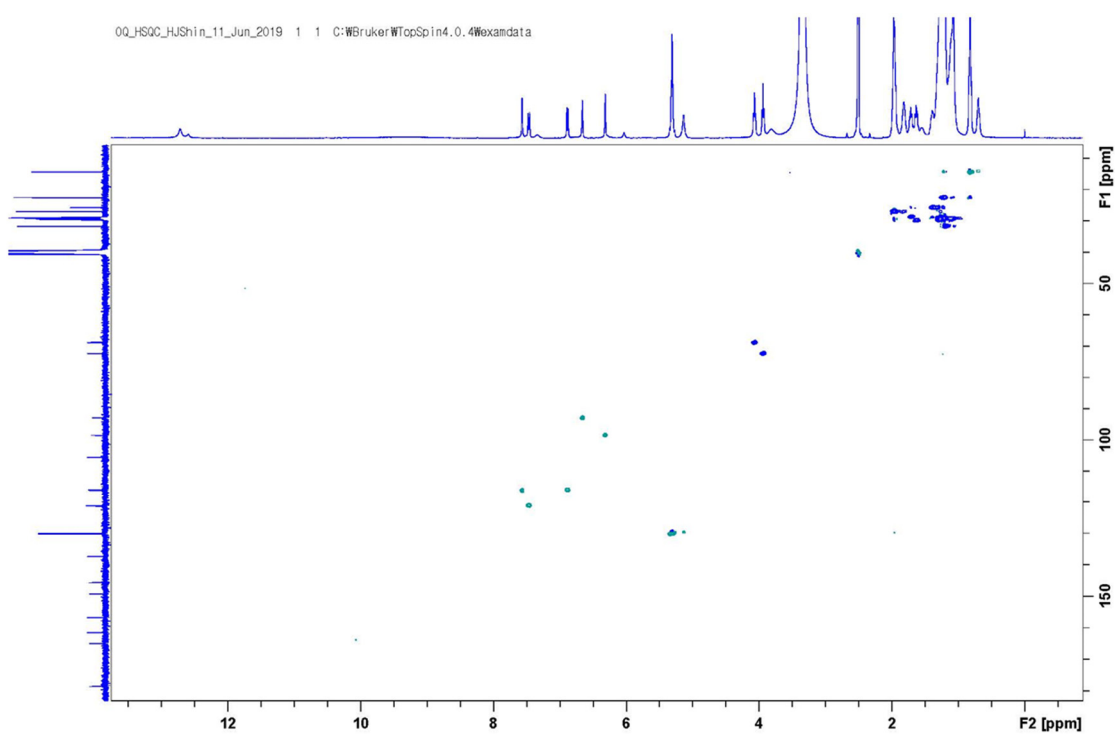
Figure S1. a) MPLC (Yamazen) and b) HPLC (Waters) separation, and TLC chromatograms of OQ synthesized and purified in this work. Plate: TLC silica gel 60 F254. Mobile phase: hexane/ethyl acetate mixture (8:2 v/v). OQ was visualized by *p*-anisaldehyde staining (*p*-anisaldehyde/sulfuric acid/ethanol mixture (0.5:0.5:9 v/v)). S, 1 2 3 4 5 6



c)



d)



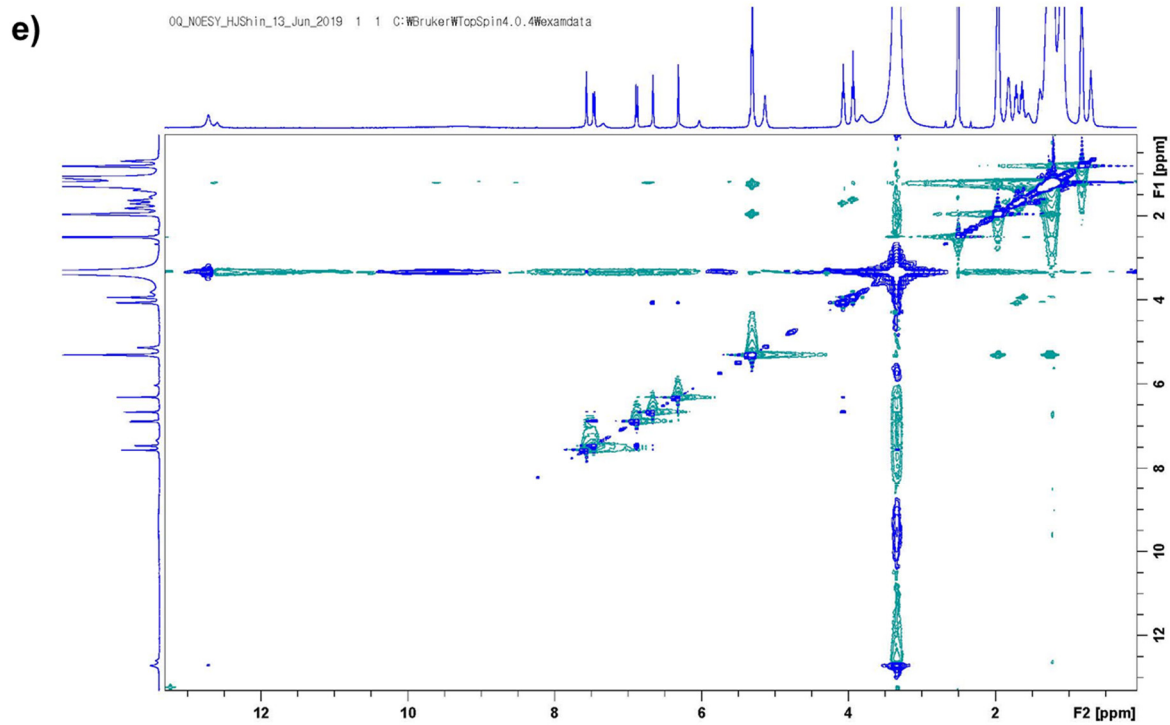


Figure S2. NMR spectroscopy of OQ synthesized and purified in this work. (a) ^1H -NMR spectroscopy, (b) ^{13}C -NMR spectroscopy, (c) 2D HMBC spectroscopy, (d) 2D HSQC spectroscopy, (e) ^1H - ^1H NOESY spectroscopy. All peak assignments are described in the Materials and Methods.